

PERFORMANCES					
Model		SECH90/8	SECH90/7	SECH80/7	SECH80/6
Load capacity	Kg	9000	9000	8000	8000
Maximum stacking layer		8	7	7	6
Lift speed, laden/unladen	m/s	0.55 / 0.60	0.55 / 0.60	0.55 / 0.60	0.55 / 0.60
Lowering speed, laden/unladen	m/s	0.60 / 0.60	0.60 / 0.60	0.60 / 0.60	0.60 / 0.60
Travel speed, laden/unladen	km/h	26 / 28	26 / 28	25 / 27	25 / 27
Climbing ability, laden/unladen	%	38 / —	38 / —	30 / —	30 / —
Tractive force	kN	157.5	157.5	107.5	107.5
DIMENSIONS					
Wheelbase	y(mm)	4520	4520	4020	4020
Height of mast, lowered	h ₁ (mm)	12399	11111	11091	9600
Tilt angle (forward / backward)	$\alpha/\beta(^{\circ})$	3 / 4	3 / 4	3 / 4	3 / 4
Height of mast, extended	h ₄ (mm)	21818	19244	19204	16660
Height of cabin	h ₆ (mm)	4326	4326	4326	4326
Height, operator's seat	h ₇ (mm)	3226	3226	3206	3206
Twistlock height, lowered	h ₁₃ (mm)	2290	2290	2290	2290
Maximum twistlock height	h ₃ (mm)	21216	18642	18600	16290
Overall length	l ₁ (mm)	6850	6850	6450	6450
Length to spreader face	l ₂ (mm)	6682	6682	6277	6277
Overall width	b ₁ /b ₂ (mm)	4120 / 2570	4120 / 2570	3627 / 2398	3627 / 2398
Width of spreader 20'/40'	b ₃ (mm)	6050 / 12150	6050 / 12150	6050 / 12150	6050 / 12150
Turning radius	Wa(mm)	6300	6300	5700	5700
Wheelspan, Front wheels	b ₁₀ (mm)	3280	3280	2880	2880
Wheelspan, Rear wheels	b ₁₁ (mm)	2171	2171	2068	2068
WEIGHTS					
Service weight	kg	38680	38280	33800	32800
Axle load with load,front/rear	kg	37220 / 10460	36610 / 10670	29050 / 10750	28650 / 10150
Axle load without load,front/rear	kg	22660 / 16020	22480 / 15800	20100 / 13700	19700 / 13100
ENGINE					
Model		SECH90		SECH80	
Engine manufacturer / type		Cummins / QSB6.7		Cummins / QSB6.7	
Cylinder number / displacement		6 / 6700 cm ³		6 / 6700 cm ³	
Rated power		164Kw @ 2200 rpm		129Kw @ 2200 rpm	
Maximum torque		949NM @ 1500 rpm		800NM @ 1500 rpm	
Rated current of alternator		100 A		70 A	
Battery		24 V (2 x 12 /110)		24 V (2 x 12 /110)	
TRANSMISSION					
Model		SECH90		SECH80	
Manufacturer / type		ZF/3WG211 AUTO		ZF/3WG211 AUTO	
Clutch - type		Torque Converter		Torque Converter	
Transmission		Auto-shift/ Interlock		Auto-shift / Interlock	
Gear number		3 F / 3 R		3 F / 3 R	
BRAKE SYSTEM					
Service brake: Wet-disc					
Parking brake: Brake enabled when power of					
DRIVE AXLE					
Model		SECH90		SECH80	
Driver axle manufacturer		KESSLER / Germany		KESSLER / Germany	
Type		D81PL488 - NLB		D81PL478 - NLB	
STEER AXLE					
Model		SECH90		SECH80	
Steering axle Manufacturer		OMCI / Italy		Weilong	
Type		ASF		Z16A1	
Steering type-Single cylinder		Double action cylinder		Double action cylinder	
TYRES					
Drive wheels		14.00—24 28PR		12.00—24 24PR	
Steering wheels		14.00—24 28PR		12.00—24 24PR	
Type		Pneumatic tyre		Pneumatic tyre	
Pressure		10 bar		10 bar	
Quantity, Front / Rear		4 / 2		4 / 2	